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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/820,209	04/07/2004	Richard Lunak	050704/306103	7439
826	7590	03/12/2007		
ALSTON & BIRD LLP BANK OF AMERICA PLAZA 101 SOUTH TRYON STREET, SUITE 4000 CHARLOTTE, NC 28280-4000			EXAMINER NGUYEN, KIMBERLY D	
			ART UNIT	PAPER NUMBER
			2876	

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	03/12/2007	PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

<b>Office Action Summary</b>	Application No. 10/820,209	Applicant(s) LUNAK ETAL	
	Examiner Kimberly D. Nguyen	Art Unit 2876	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 07 December 2006.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 15-30 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 15-30 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

**DETAILED ACTION**

1. Acknowledgment is made of Amendment Reply filed December 7, 2006.

***Claim Rejections - 35 USC § 103***

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 15-30 are rejected under 35 U.S.C. 103(a) as being unpatentable over Frederick et al. (US 6,112,502; hereinafter "Frederick") in view of Liff et al. (US 5,797,515; hereinafter "Liff").

Re claims 15-17, 21-25 and 29-30: Frederick teaches a method including:

inputting information into a handheld device (reading device 542 in fig. 55) from indicia (358, 364, 366, 370 in fig. 40; "The reading device 348 is preferably a device for reading machine readable indicia such as bar code" (col. 40, lines 62-63)) on an open shelving system, the information identifying an item to be restocked to the open shelving system ("Alternatively, when all the medical items have been removed from the storage location the user may operate the reading device to read the further indicia adjacent the storage location representative of the condition that all the medical items in the location have been depleted..." col. 6, lines 53-57; col. 41, lines 29-31) (col. 56, lines 51-58; col. 6, lines 12-67; col. 41, line 44 through col. 42, line 53);

inputting a current quantity of the items to be restocked to the handheld device corresponding to the input information (col. 6, lines 53-67);

transferring the information and current quantity from the handheld device  
("These transaction messages are sent to other components of the system..." col. 6,  
lines 63-67) (figs. 40 and 55; col. 56, line 1 through col. 57, line 49);

automatically comparing the current quantity to a par level of the items to be  
restocked, for example, Frederick teaches in col. 6, lines 41-67 that

"The storage locations for items that are not tracked to patients are preferably marked to show a desired level or quantity (a "par value") of medical items that should be kept in the storage location. If the level of medical items in the location drops and a user observes that it is below par value, the user may scan the indicia with the reading device. The reading device is preferably configured to treat the scanning of indicia corresponding to a storage location, absent previously inputting data related to a user or a patient, as indicative of a quantity condition at the location which corresponds to the storage location being below par value.

Alternatively, when all the medical items have been removed from the storage location the user may operate the reading device to read the further indicia adjacent the storage location representative of the condition that all the medical items in the location have been depleted. Such a condition is an alternative quantity condition which causes different signals to be generated by the system from those corresponding the first quantity condition. Transaction messages comprised of signals are produced by the reading device corresponding to the different quantity conditions. These transaction messages are sent to other components of the system, and in the case of messages which indicate that a storage location is below par value or depleted, are responded to by restocking the storage location with an additional quantity of medical items."

wherein "the user may scan the indicia with the reading device. The reading device is preferably configured to treat the scanning of indicia corresponding to a storage location, absent previously inputting data related to a user or a patient, as indicative of a quantity condition at the location which corresponds to the storage location being below par value." (col. 6, lines 46-52), that is the indicia is read by the reading device; then the information, which is read from the indicia, is processed/compared with the par value stored within the reading-

device/computer/component, which is "automatically comparing the current quantity to a par level of the items to be restocked" as set forth in the claim; and

generating a restocking package in response to the automatic comparing, for example,

"Transaction messages comprised of signals are produced by the reading device corresponding to the different quantity conditions. These transaction messages are sent to other components of the system, and in the case of messages which indicate that a storage location is below par value or depleted, are responded to by restocking the storage location with an additional quantity of medical items." (col. 6, lines 60-67; col. 6, lines 41-67).

Although, Frederick teaches "automatically comparing the current quantity to a par level of the items to be restocked" by having *a user observes* that if the items on the open shelf are below par value, the user may scan the indicia with the reading device.

Frederick does not specifically teach "automatically comparing, *in a computing device*, the current quantity to a par level of the items."

Liff teaches automatically comparing, in a computing device, the current quantity to a par level for the item ("if a proper dispensing has occurred, the transaction is recorded to the data base 407, and the computer determines whether inventory is at or below a predetermined restock value 408... (col. 18, lines 20-41))

It would have been obvious to an artisan of ordinary skill in the art to automate Frederick's step of "automatically comparing the current quantity..." by having a user to observe and scan the indicia if the items are below the par level to "automatically comparing in the computing device the current quantity..." as taught by Liff in order to automating the manual activity of the user. Such modification would have been an obvious expedient from Frederick's teaching. Furthermore, automating a manual

Art Unit: 2876

activity by providing an automatic or mechanical means is not sufficient to distinguish over the prior art, *In re Venner* 262F 2d.91, 95, 120 USPQ 193, 194 (CCPA 1958) MPEP 2144.04[R1] III.

Re claims 18 and 26: Frederick teaches the transferring by transmitting the information over a wireless link (col. 45, lines 40-45; col. 8, lines 17-37).

Re claims 19 and 27: Frederick teaches the transferring includes inserting the handheld device into a docking station (cradle 354 in fig. 40) located proximate to the open shelving system ("The reading device is eventually again placed in communication with the network 328. This may be done by returning it to its cradle..." (col. 54, lines 53-56)) (col. 41, lines 1-23; col. 47, lines 1-12).

Re claims 20 and 28: Frederick teaches the method further including selecting information identifying an item not represented by an indicia (e.g., keyboard, mouse, touch screen, spoken word recognition, etc (col. 19, lines 28-33)) on the open shelving system and inputting to the handheld device a current quantity of the item to be stocked in the open shelving unit (col. 19, lines 20-37; col. 17, lines 21-29; col. 40, lines 16-31).

### ***Response to Arguments***

Applicant's arguments, see pages 3-5, filed December 7, 2006, with respect to the rejection(s) of claim(s) have been fully considered and are persuasive. Therefore, the rejection has been withdrawn. However, upon further consideration, a new ground(s) of rejection is made in view of Frederick as set forth above.

### ***Conclusion***

Art Unit: 2876

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kimberly D. Nguyen whose telephone number is 571-272-2402. The examiner can normally be reached on 8 - 5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael G. Lee can be reached on 571-272-2402. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

KDN

Kimberly D Nguyen  
Primary Examiner  
Art Unit 2876

